

TITLE  
CELLULAR ARRAYS FOR THE IDENTIFICATION OF ALTERED GENE  
EXPRESSION  
ABSTRACT OF THE DISCLOSURE

5           The present invention relates to the generation and use of a cellular array or a cellular  
array in combination with other genome-registered arrays (an array of arrays) for the  
determination of gene function and/or perturbation mode of action. Each cellular array  
consists of a number of microbial strains. Each strain comprises one reporter gene fusion  
made up of a gene or gene fragment operably linked to a reporter gene. Each gene or gene  
10 fragment has been "registered" or mapped to a specific location in the genome of the  
organism. The genome-registered collection of the invention may be used to determine  
alterations in gene expression under a variety of conditions. Such collections are amenable  
to rapid assay and may be used to confirm, correct or augment data generated from DNA  
micro array technology

SNF/dmm